

SYSTEM AND METHOD FOR ALIGNING MULTI-CHANNEL CODED DATA OVER MULTIPLE CLOCK PERIODS

ABSTRACT

5 A system and method is provided for aligning multi-channel coded data over multiple
clock periods. Data is received through a plurality of data channels and stored in a plurality
of latches or queues. Data is scanned to determine whether a valid data transition has
occurred. Once a valid transition is detected on all of the plurality of data channels, data is
substantially simultaneously read out of the latches or queues resulting in synchronized or
10 aligned data being provided at the output.